

Leaky mode –
refracted wave into
cladding; energy lost
from core to cladding.

Guided mode –
no refraction, but evanescent
tail into cladding; no energy
lost from core unless absorbing
species within decay range.

FIG. 1

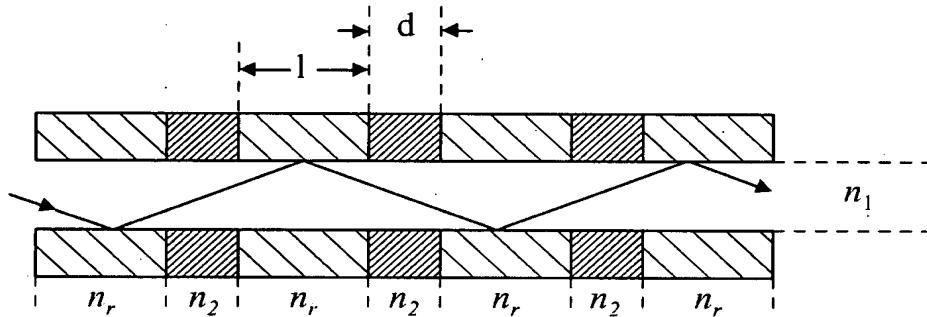


FIG. 2

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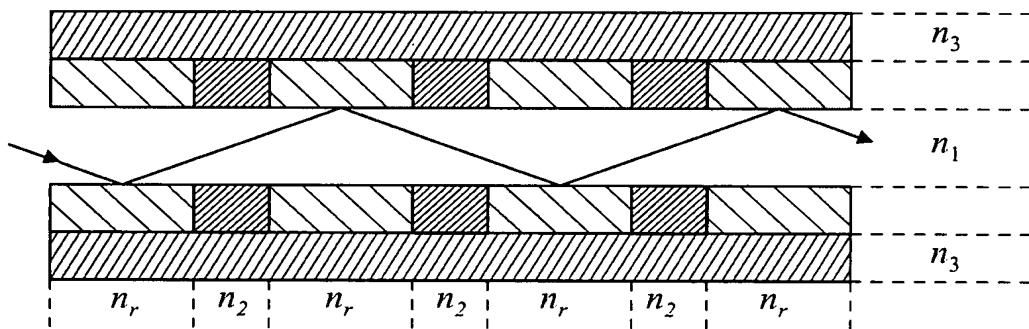


FIG. 3

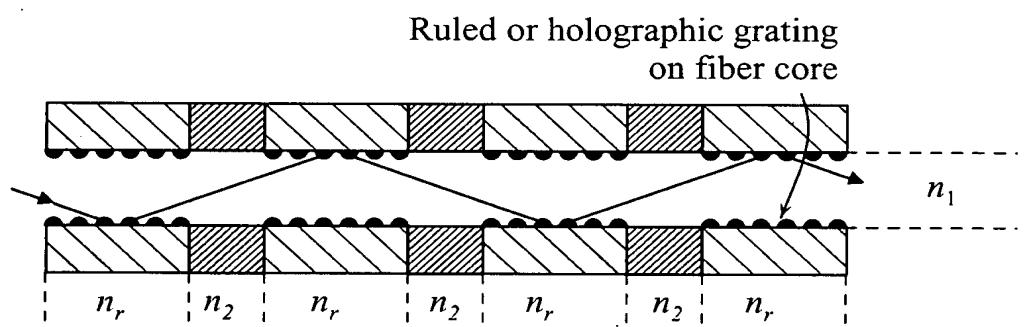


FIG. 4

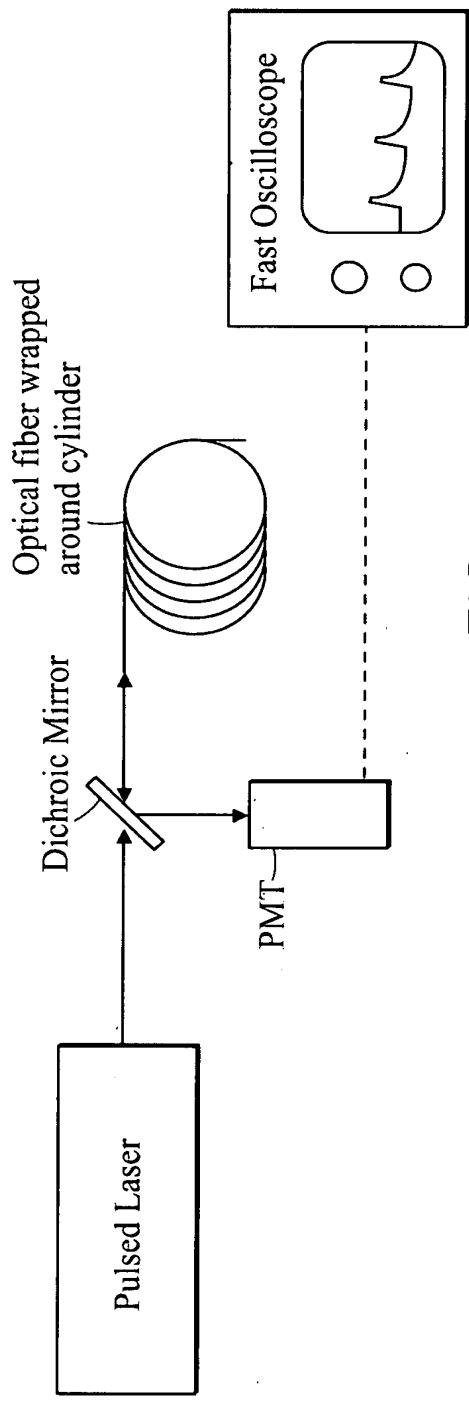


FIG. 5

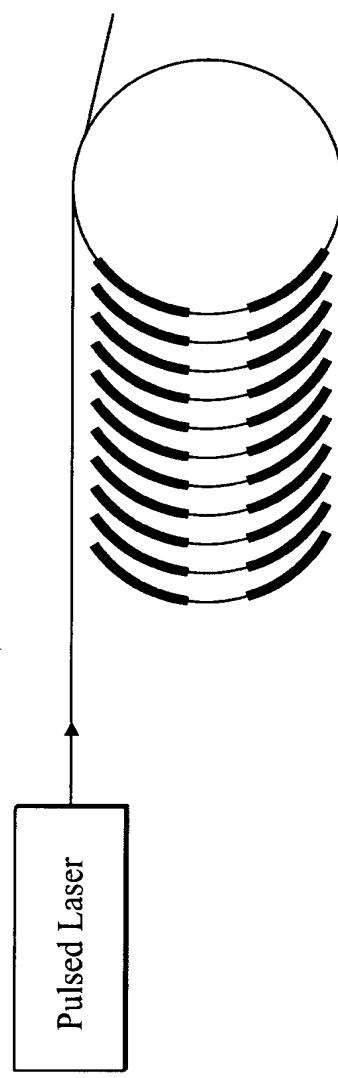


FIG. 6

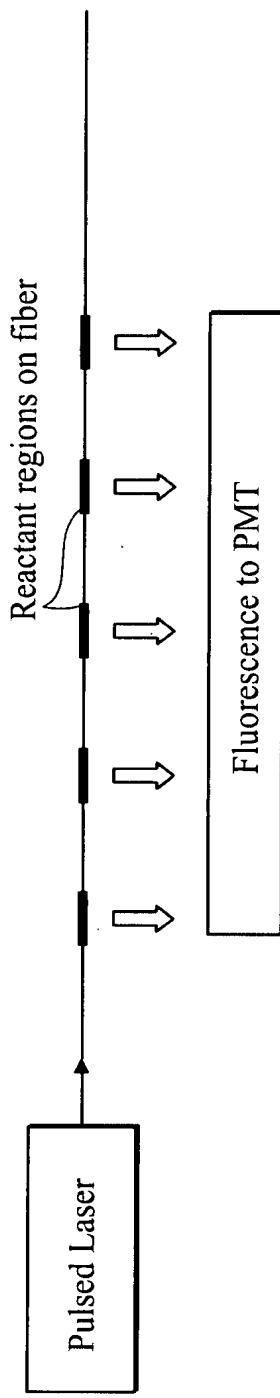


FIG. 7

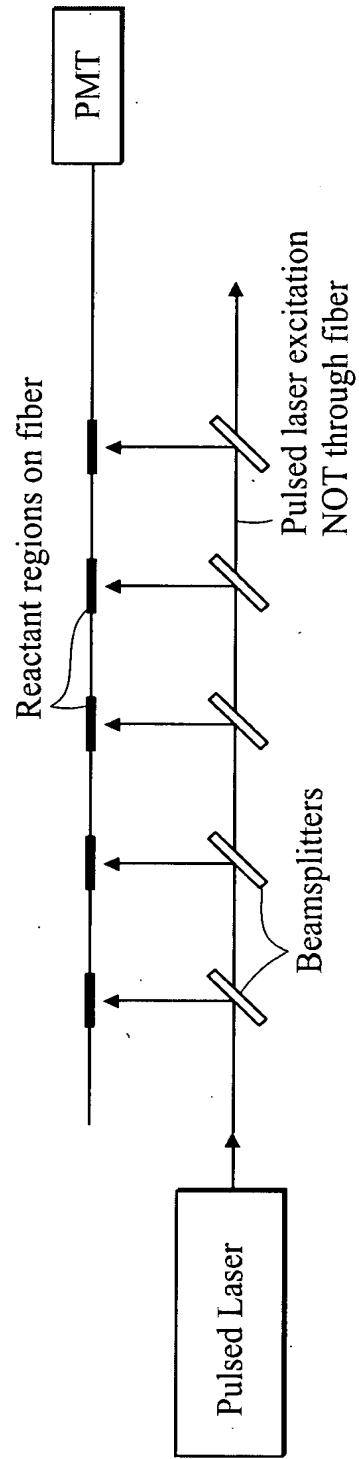


FIG. 8

REPLACEMENT SHEET

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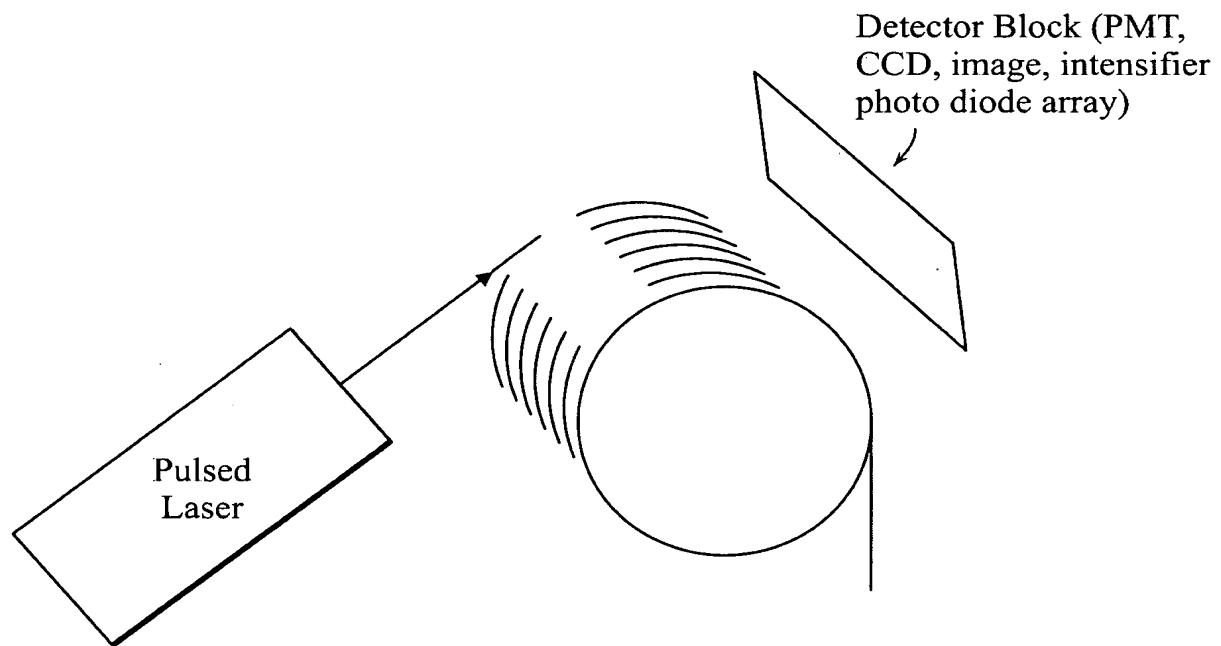


FIG. 9

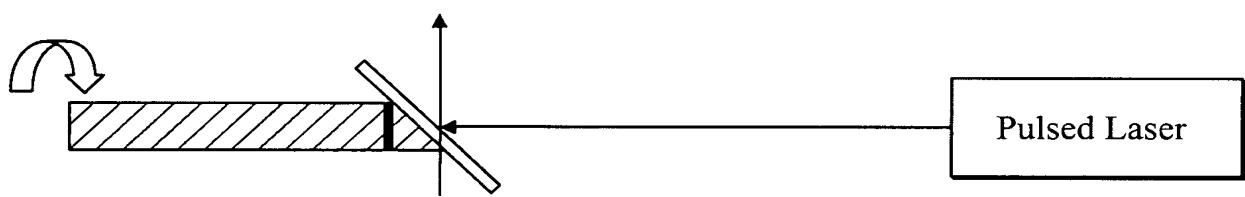


FIG. 10

REPLACEMENT SHEET

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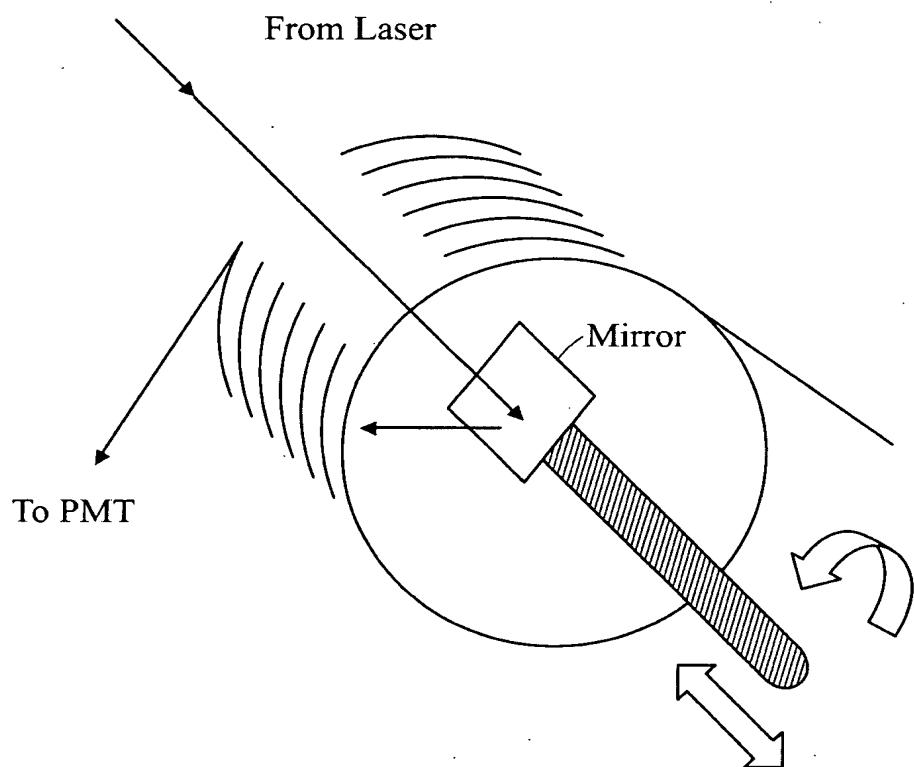


FIG. 11

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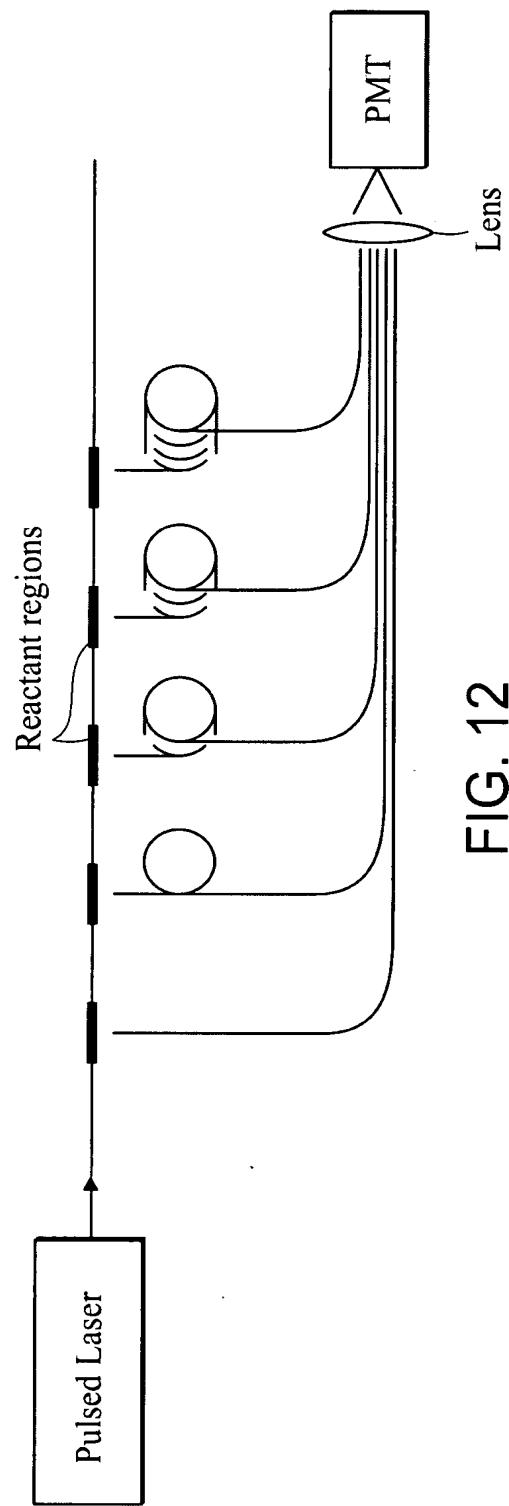


FIG. 12

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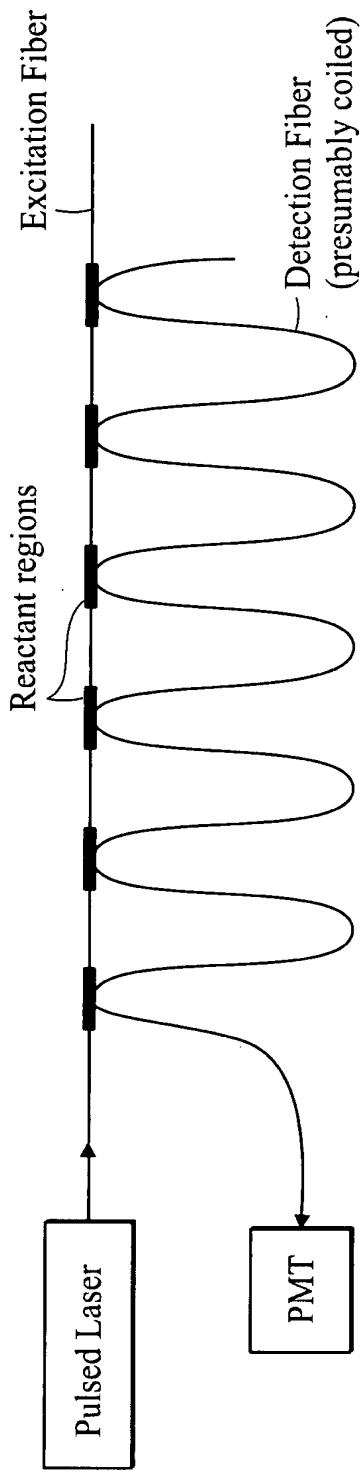


FIG. 13

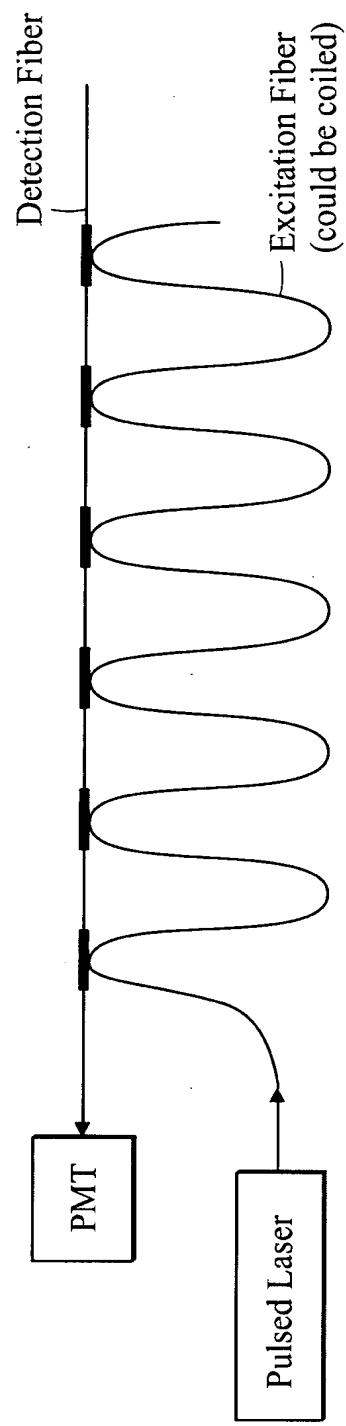


FIG. 14

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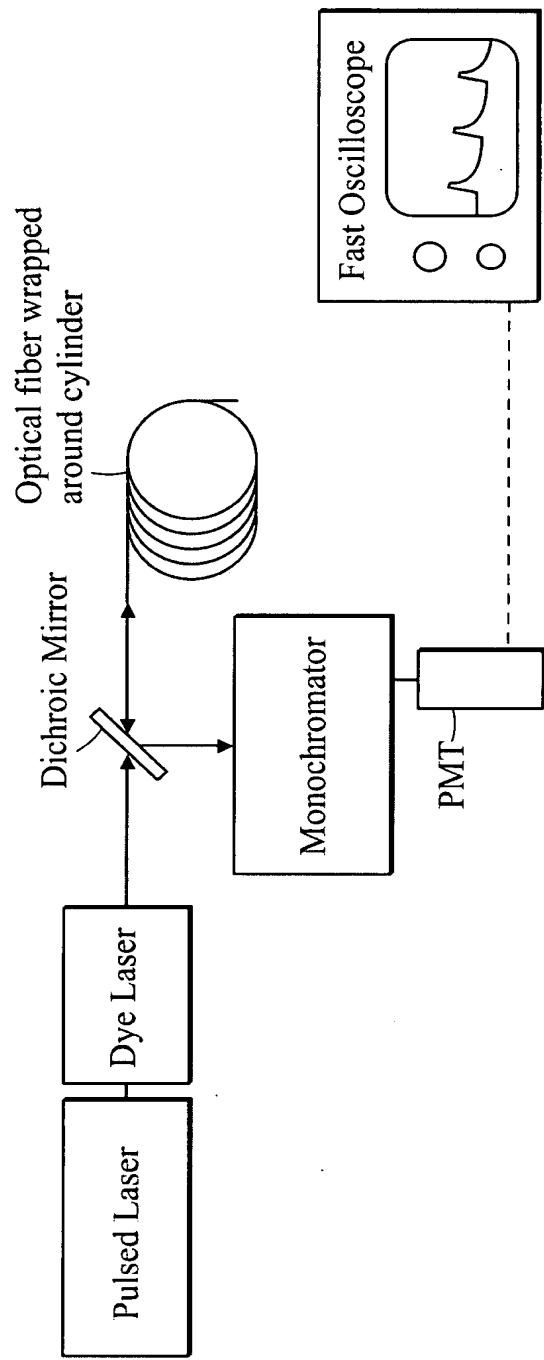


FIG. 15

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FIG. 16A

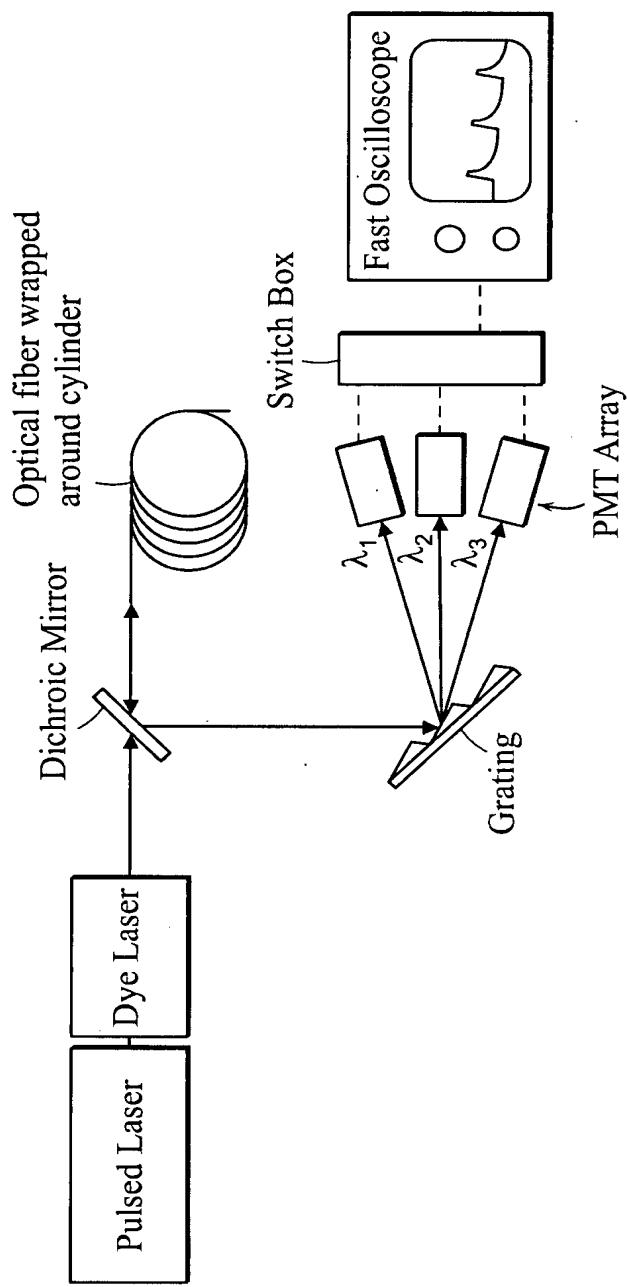
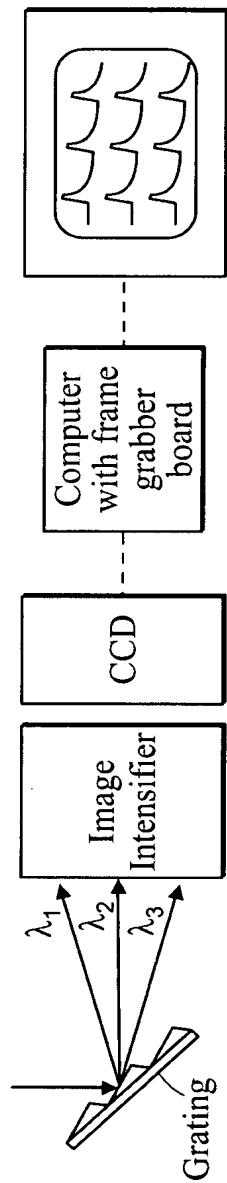


FIG. 16B



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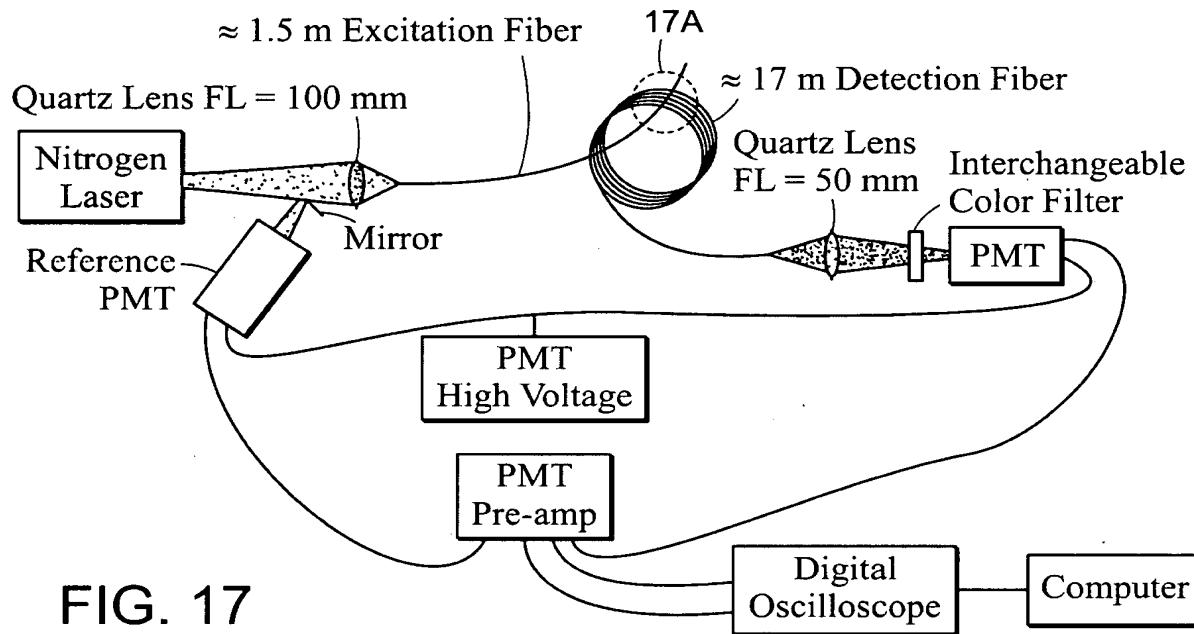


FIG. 17

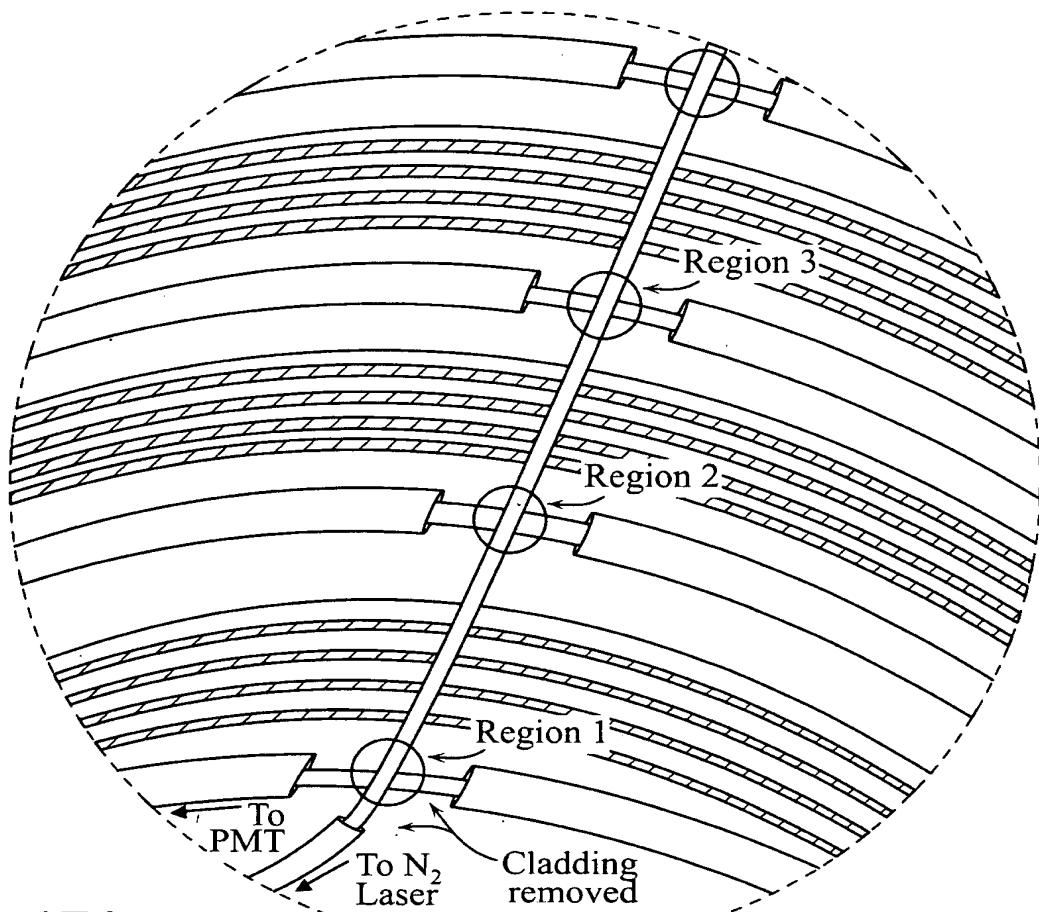


FIG. 17A

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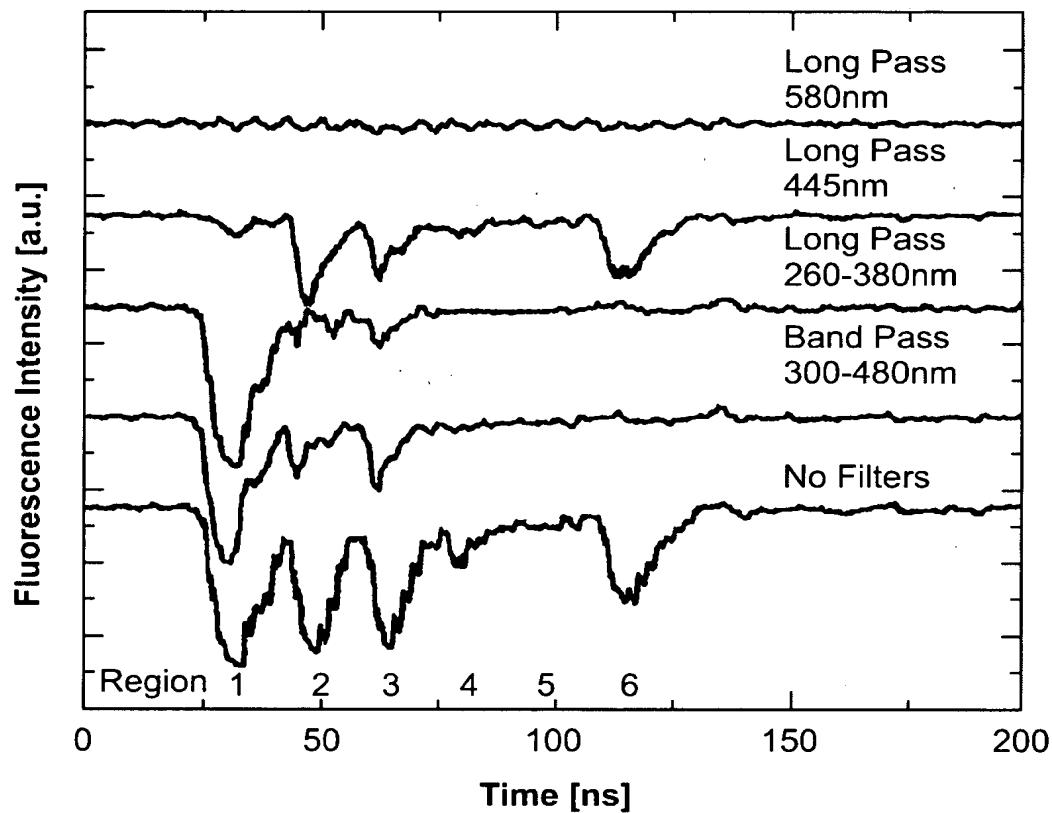


FIG. 18